Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Improvements to DWCC in Ward No. 08 and other SWM works in Kodigehalli

Agency:-M/s. KRIDL

SCHDULE-B

Sl No	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
1	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.	Sqm	144.00	10.59	Rupees Ten And Paise Fifty Nine Only
2	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and nealty dressed as per specifications.	Cum	129.60	301.37	Rupees Three Hundred One And Paise Thirty Seven Only
3	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	39.09	342.41	Rupees Three Hundred Forty Two And Paise Forty One Only
4	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in hard soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	26.06	462.98	Rupees Four Hundred Sixty Two And Paise Ninety Eight Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

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Sl No	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
5	Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	19.52	6242.41	Rupees Six Thousand Two Hundred Forty Two And Paise Forty One Only
6	Providing and constructing granite size stone masornry in foundation cement mortar 1:6, stone hammerd dressed in courses not lss than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	32.04	5370.25	Rupees Five Thousand Three Hundred Seventy And Paise Twenty Five Only
7	Providing and constructing grantie / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	279.89	5888.88	Rupees Five Thousand Eight Hundred Eighty Eight And Paise Eighty Eight Only
8	Providing and laying in position plain cement concrete of mix M-15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	4.55	6978.63	Rupees Six Thousand Nine Hundred Seventy Eight And Paise Sixty Three Only
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	Sqm	17.28	296.28	Rupees Two Hundred Ninety Six And Paise Twenty Eight Only
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.	Sqm	73.80	375.80	Rupees Three Hundred Seventy Five And Paise Eighty Only

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	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification.	Sqm	53.40	469.43	Rupees Four Hundred Sixty Nine And Paise Forty Three Only
12	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	16.00	328.35	Rupees Three Hundred Twenty Eight And Paise Thirty Five Only
13	Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	29.72	7898.25	Rupees Seven Thousand Eight Hundred Ninety Eight And Paise Twenty Five Only
14	Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.5175cum and fine aggregates @ 0.345cum, with superplastisiser @ 0.225lts machine mixed, well compacted for plain chajja of 7.5cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.	Sqm	4.05	584.87	Rupees Five Hundred Eighty Four And Paise Eighty Seven Only

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17/8/18

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
15	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	1.74	77734.54	Rupees Seventy Seven Thousand Seven Hundred Thirty Four And Paise Fifty Four Only
16	Providing and constructing Precast concrete solid blocks with compressive strenght not less than 35Kg/sqm with cement mortar 1:4 masonry (quion, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms confirming to IS:2185/1965 in superstructure including cost of materials, labour charges, scalffolding, curing etc., complete as per specifications.	Cum	224.40	1201.80	Rupees One Thousand Two Hundred One And Paise Eighty Only
17	Providing 18mm thick cement plaster in single coat with cement mortor 1:6, to brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	327.32	253.95	Rupees Two Hundred Fifty Three And Paise Ninety Five Only
18	Water proofing the inside surface of tanks (OHT & UGT) - applying of modified polymers soft acrylic esters coat @0.40 kg/sqm in 2 coats including all labour charges tools and equipments, all complete as per the specification.	Sqm	20.00	365.54	Rupees Three Hundred Sixty Five And Paise Fifty Four Only
19	Providing 12mm thick cement plaster in single coat with cement mortor 1:6, to brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	145.56	192.39	Rupees One Hundred Ninety Two And Paise Thirty Nine Only
20	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	145.56	32.07	Rupees Thirty Two And Paise Six Only

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KRIDL, BBMP DIVISION
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5/3/18

	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
21	Providing and finishing external walls in two coats with water proof cement paint of approved brand and shade to give and even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	327.32	107.74	Rupees One Hundred Seven And Paise Seventy Four Only
22	Providing and applying painting in two coats with plastic emulsion paint of approved brand and shade on wall surface to give an even approved shade after throughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (With primer)	Sqm	145.56	115.43	Rupees One Hundred Fifteen And Paise Forty Three Only
23	Providing and laying red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) , including cost of materials, labour, curing, complete as per specifications.	Sqm	53.76	741.34	Rupees Seven Hundred Forty One And Paise Thirty Four Only
24	Providing and fixing M.S.grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifictions.	Kgs	151.20	100.04	Rupees One Hundred And Paise Four Only
25	Providing and applying enamel metal paint two coats (Excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materails, labour, complete as per specifications.	Sqm	24.48	105.17	Rupees One Hundred Five And Paise Seventeen Only

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Sl No	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
26	Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm.with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3mm, thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick,weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm.thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tennoned and rivetted in the assembled frame stiffened with end clip at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal	Sqm	7.20	4999.57	Rupees Four Thousand Nine Hundred Ninety Nine And Paise Fifty Seven Only
27	Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door of size 2.4x2.4m.	Sqm	5.04	2991.02	Rupees Two Thousand Nine Hundred Ninety One And Paise Two Only

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	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
28	oviding and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isophalic Gelcoat and on layer of 45 gsm E - Glass chopped strand Mat (CSM), impregnated with orthopthalic polyster resin.The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core materials, the Salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutters will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Exclusing cost of fixtures and inclusive of supply of	4104.32	1.58	4104.32	Rupees Four Thousand One Hundred Four And Paise Thirty Two Only
29	Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.	1351.86	1.00	1351.86	Rupees One Thousand Three Hundred Fifty One And Paise Eighty Six Only

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Sl No	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
30	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.	Sqm	77.00	987.60	Rupees Nine Hundred Eighty Seven And Paise Sixty Only
31	Fabricating, supplying & erecting M.S. angular Truss of span upto 10m. The bottom & top member is provided with 50x50x6mm double equal angles, welded back to back and in between top & bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing No.CBS/ SD/K-Mantap/9/MND/97. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification	Sqm	3850.00	150.06	Rupees One Hundred Fifty And Paise Six Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
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Description of Item	Approved Rates of M/s. KRIDL			
	Unit	Quantity	Rate, Rs	
			Rate In Figures	Rate In Words
viding and fixing M.S. Gate as per Chief Architect wing, using 50mm x 50mm 14 guage M.S. hollow e frame work bent to ornamental shape as shown he drawing and 35mm x 6mm and 16 x 16mm are rods for verticals alternatively spaced at ns c/c in two halves and 40mmx6mm M.S. flats horizontal member and at the top cast iron es are provided at alternate vertical members nown in the drawing etc., complete. All the steel face should be thoroughly cleaned free of rust painted with anti corrosive paint (shop paint) , complete. The work includes cost of erials, labour charges for all items of work, hire rges for welding, cutting and grinding equipment, electricity charges, with lead and lift, loading unloading charges, etc., complete as per cifiocation.	Sqm	12.00	3763.15	Rupees Three Thousand Seven Hundred Sixty Three And Paise Fifteen Only
rthwork excavation for foundation of buildings, er supply, sanitary lines and electrical conduits er in pits or in trenches 1.5m.and above in width, ard soil not exceeding 1.5m.in depth including ssing the bottom and sides of pits and trenches, king the excavated soil clear from edges of avation with lead upto 50 m. after breaking of s complete as per specifications.	Cum	4.50	362.98	Rupees Three Hundred Sixty Two And Paise Ninety Eight Only
illing available earth around pipe lines, cables in rs not exceeding 20cms in depth, compacting n deposited layer by ramming after watering with upto 50m. and lift upto 1.5 m. including cost of bour complete as per specificifictions.	cum	4.50	97.48	Rupees Ninety Seven And Paise Forty Eight Only
viding and laying in position to required level or e 150mm internal diameter salt glazed eware pipes grade A and jointing with stiff ure of cement mortar in proportion of 1:1, ng of pipes and joints, including cost of erials, labour charges complete as per ification.	M	15.00	452.76	Rupees Four Hundred Fifty Two And Paise Seventy Six Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
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5/3/18

Approved Rates of M/s. KRI

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Wor
36	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600x600mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal , foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.	Nos	1	11484	Rupees Eleven Thousand Four Hundred Eighty Four And Paise Forty Only
37	Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Unit	1	3663	Rupees Three Thousand Six Hundred Sixty Three Only
38	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S - trap) with balck solid plastic seat and lid, C.P, brass hinges, rubber buffers. 10 litre white glazed / vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.I /M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Pan	1	6355	Rupees Six Thousand Three Hundred Fifty Five Only
39	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each	2	205	Rupees Two Hundred Five And Paise Twenty Two Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

5/3/18

	Description of Item	Approved Rates of M/s. KRIDL			
		Unit	Quantity	Rate, Rs	
				Rate In Figures	Rate In Words
40	Providing stoneware gully trap of approved quality and make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead). - Providing stoneware gully trap of approved quality and make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead).--- 10cms x 10cms.	Each	2	237	Rupees Two Hundred Thirty Seven And Paise Twenty Eight Only
41	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).--- 10cms x 7.5cms.	Each	2	321	Rupees Three Hundred Twenty And Paise Sixty Five Only
42	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	m	20.00	237.28	Rupees Two Hundred Thirty Seven And Paise Twenty Eight Only
43	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 32mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	m	20.00	386.06	Rupees Three Hundred Eighty Six And Paise Six Only
44	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	2.00	311.67	Rupees Three Hundred Eleven And Paise Sixty Seven Only
45	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	1	1222	Rupees One Thousand Two Hundred Twenty Two And Paise Thirty Two Only

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